

Name(s) of Risk Team Members: R. Atkins, T. Welty, M. Robles, R. Karol & P. Bergh.			Point Value → Parameter ↓	1	2	3	4	5								
Job Title: Radiation/Contamination, Calibration of C-A Chipmunk Irradiator. Job Number or Job Identifier: JRA 7-07			Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift								
Job Description: Calibration of Chipmunk Irradiator 30 mCi Cs-137 and 154.6 mCi Cs-137 sources.			Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability								
Training and Procedures List (optional):			Likelihood (D)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple								
Approved by: E. Lessard Date: 2-2-07 Rev. #: 0																
Stressors (if applicable, please list all):			Reason for Revision (if applicable):			Comments:										
				Before Additional Controls								After Additional Controls				
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Transport equipment to building 923.	Traffic Accident	Licensed drivers, traffic rules, traffic-rule enforcement, seat belts, vehicle inspection and maintenance.	N	2	1	3	2	12								

Set radiation measurement field instrument monitoring station for Cs-137, 30 mCi and 154.6 mCi sources.	Radiation/ Contamination	Radiological Work Permit, Green Work Permit, radiological postings, training, Locked access gate, warning light, TLD, digital dosimeter, MicroShield source calculation, source leak test results.	N	2	1	1	1	2								
Placed calibration chamber in desired location for source measurement.	Radiation	Radiological Work Permit, Green Work Permit, procedures, warning light, radiological postings, training, TLD, digital dosimeter.	N	2	1	1	1	2								
Open shield shutter for measurement.	Radiation	Radiological Work Permit, Green Work Permit, radiological postings, procedures, training, Locked access gate, warning light, TLD, digital dosimeter, constant HP coverage, collimated beam, measurements recorded in low dose area, remote detector with twenty foot cable, constant Health Physics coverage, dose rate survey.	N	3	1	1	1	3								

Close shield shutter.	Radiation	Radiological Work Permit, Green Work Permit, radiological postings, procedures, training, Locked access gate, warning light, TLD, digital dosimeter, collimated beam, measurements recorded in low dose area, remote detector with twenty foot cable, constant Health Physics coverage, dose rate survey.	N	3	1	1	1	3								
Remove calibration ion chamber and field instrument.	Radiation	Radiological Work Permit, radiological postings, procedures, training, Locked access gate, warning light, TLD, digital dosimeter.	N	2	1	1	1	2								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20		21 to 40		41-60		61 to 80		81 or greater							
	Negligible		Acceptable		Moderate		Substantial		Intolerable							